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**United States Patent [19]****Hauer et al.****[11] Patent Number: 5,342,625****[45] Date of Patent: Aug. 30, 1994****[54] PHARMACEUTICAL COMPOSITIONS  
COMPRISING CYCLOSPORINS**

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**[57] ABSTRACT**

Pharmaceutical compositions comprising a cyclosporin, e.g. Ciclosporin or [Nva]<sup>2</sup>-Ciclosporin, in "microemulsion pre-concentrate" and microemulsion form. The compositions typically comprise (1.1) a C<sub>1</sub>-alkyl or tetrahydrofurfuryl di- or partial-ether of a low molecular weight mono- or poly-oxy-alkane diol, e.g. Transcutol or Glycofufrol, as hydrophilic component. Compositions are also provided comprising a cyclosporin and (1.1) and, suitably, also a saccharide monoester, e.g. raffinose or saccharose monolaurate. Dosage forms include topical formulations and, in particular, oral dosage forms.

**26 Claims, 4 Drawing Sheets**